

Exploring Aeronautics			
1995 Mathematics			
Content Standards			
Alaska Mathematics			
Grades K-12			
Activity/Lesson	State	Standards	
Tools of Aeronautics(257-326)	AK	MA.K-12.A.3	perform basic arithmetic functions, make reasoned estimates, and select and use appropriate methods or tools for computation or estimation including mental arithmetic, paper and pencil, a calculator, and a computer;
The Tools of Aeronautics	AK	MA.K-12.A.3	perform basic arithmetic functions, make reasoned estimates, and select and use appropriate methods or tools for computation or estimation including mental arithmetic, paper and pencil, a calculator, and a computer;
Science of Flight	AK	MA.K-12.A.3	perform basic arithmetic functions, make reasoned estimates, and select and use appropriate methods or tools for computation or estimation including mental arithmetic, paper and pencil, a calculator, and a computer;
Science of Flight	AK	MA.K-12.A.6	collect, organize, analyze, interpret, represent, and formulate questions about data and make reasonable and useful predictions about the certainty, uncertainty, or impossibility of an event.
Science of Flight	AK	MA.K-12.B.3	formulate mathematical problems that arise from everyday situations;
Science of Flight	AK	MA.K-12.D.4	use deductive reasoning to verify conclusions, judge the validity of arguments, and construct valid arguments; and
Integrating with Aeronautics	AK	MA.K-12.A.2	select and use appropriate systems, units, and tools of measurement, including estimation;
Integrating with Aeronautics	AK	MA.K-12.A.3	perform basic arithmetic functions, make reasoned estimates, and select and use appropriate methods or tools for computation or estimation including mental arithmetic, paper and pencil, a calculator, and a computer;
Integrating with Aeronautics	AK	MA.K-12.A.4	represent, analyze, and use mathematical patterns, relations, and functions using methods such as tables, equations, and graphs;
Integrating with Aeronautics	AK	MA.K-12.C.1	express and represent mathematical ideas using oral and written presentations, physical materials, pictures, graphs, charts, and algebraic expressions;
Integrating with Aeronautics	AK	MA.K-12.E.1	explore problems and describe results using graphical, numerical, physical, algebraic, and verbal mathematical models or representations;

Scientific Method(124-144)	AK	MA.K-12.A.6	collect, organize, analyze, interpret, represent, and formulate questions about data and make reasonable and useful predictions about the certainty, uncertainty, or impossibility of an event.
Scientific Method(124-144)	AK	MA.K-12.B.3	formulate mathematical problems that arise from everyday situations;
Scientific Method(124-144)	AK	MA.K-12.D.2	use logic and reason to solve mathematical problems and draw logical conclusions;
Scientific Method(124-144)	AK	MA.K-12.D.4	use deductive reasoning to verify conclusions, judge the validity of arguments, and construct valid arguments; and